# CUMULATIVE INDEXES

## CONTRIBUTING AUTHORS VOLUMES 14–18


A

Abrams, P., 14:359–76
Alexander, V., 14:443–63
Andersson, M., 15:165–89;
Arnold, J., 18:489–522
Atsatt, P. R., 17:487–505
Austin, M. P., 16:39–62
Avise, J. C., 18:489–522

B

Ball, R. M., 18:489–522
Barr, T. C. Jr., 16:313–38
Barton, N. H., 15:133–64;
Bekoff, M., 15:191–232
Bell, T. J., 14:411–41
Benfield, E. F., 17:567–94
Bermingham, E., 18:489–522
Binford, M. W., 14:255–86
Bloom, A. J., 16:363–92
Boyce, M. S., 15:427–48
Breitwisch, R., 18:91–109
Brown, W. M., 18:269–92
Brussard, P. F., 15:25–64
Buchmann, S. L., 18:343–69
Buckley, R. C., 18:111–36
Buth, D. G., 15:501–22

C

Calder, W. A. III, 14:213–30
Campbell, C. S., 14:411–41
Caraco, T., 17:371–90
Carson, H. L., 15:97–131
Casper, B. B., 15:233–58
Cavalli-Sforza, L. L., 15:279–301
Chapin, F. S. III, 16:363–92
Charlesworth, B., 15:133–64, 18:237–68
Charlesworth, D., 18:237–68
Cheplick, G. P., 14:411–41
Colwell, R. K., 14:189–211
Crisman, T. L., 14:255–86
Crowley, P., 16:269–312

D

Dafni, A., 15:259–78
Daniels, T. J., 15:191–232
Dayton, P. K., 16:215–46
Deevey, D. S., 14:255–86
Denslow, J. S., 18:431–51
Diamond, J., 17:17–37
Dowling, T. E., 18:269–92
Dupuis, C., 15:1–24

E

Eldredge, N., 17:351–69
Estabrook, C. A., 16:431–46
Ewald, P. W., 14:465–85
Ewel, J. J., 17:245–71

F

Felsenstein, J., 14:313–33
Fleming, T. H., 18:91–109
Fowler, N., 17:89–110
Fritz, R. S., 17:487–505
Fry, B., 18:293–320

G

Georgiadis, N. J., 17:39–65
Gilbert, J. J., 14:1–33
Gillespie, J. H., 17:637–65
Gilliam, J. F., 15:393–427
Gittleman, J. L., 15:191–232
Gon, S. M. III, 14:231–53
Grant, M. C., 15:479–500
Gross, P., 11:41–65
Grove, T. L., 17:1–16

H

Hammerstein, P., 14:377–409
Hamrick, J. L., 15:65–95
Hedrick, P. W., 17:535–66
Hessler, R. R., 18:185–207
Hewitt, G. M., 16:113–48
Hillis, D. M., 18:25–42
Holsinger, J. R., 16:313–38
Huston, M. A., 16:149–78

J

Janson, C. H., 17:111–35
Janzen, D. H., 17:305–24;
Jumars, P. A., 15:303–28

K

Kirkpatrick, M., 18:43–70
Kluge, A. G., 16:247–68
Krieber, M., 17:465–85
Kruckeberg, A. R., 16:447–78

L

Lacey, E. P., 16:179–214
Lamb, T., 18:489–522
Lambert, M., 17:325–60
Lathwell, D. J., 17:1–16
Levinton, J. S., 14:103–37
Lewis, W. M., 18:159–84
Littlejohn, M. J., 16:85–112
Loomis, R. S., 15:449–78
Loveless, M. D., 15:65–95
Lugo, A. E., 17:67–88

M

Martin, T. E., 18:453–87
May, R. M., 14:189–211
McDonald, J. F., 14:77–102
McIntosh, R. P., 18:321–41
McNaughton, S. J., 17:39–65
McPeek, M., 16:269–312
Meacham, C. A., 16:431–46
Milewski, A. V., 14:57–76
Mitton, J. B., 15:479–500
Mobley, K., 17:487–505
Mooney, H. A., 16:363–92
Moritz, C., 18:269–92
Mueller-Dombois, D., 17:221–43
Murphy, P. G., 17:67–88

N

Neigel, J. E., 18:489–522
Nowell, A. R. M., 15:303–28

P

Palmer, A. R., 17:391–421
Parsons, P. A., 14:35–55
Patton, J. L., 14:139–58
Peterson, B. J., 18:293–320
Petranka, J., 16:269–312
Prestwich, G. D., 14:287–311
Price, P. W., 17:487–505
Primack, R. B., 16:15–38, 18:409–30
Pyke, G. H., 15:5233–76

Q

Quinn, J. A., 14:411–41

R

Rabinowitz, D., 16:447–78
Radinsky, L. B., 16:1–14
Rathcke, B., 16:179-214
Real, L., 17:371–90
Reeb, C. A., 18:489–522
Reichman, O. J., 15:329–51
Rice, B., 17:487–505
Riechert, S. E., 14:377–409
Roach, D. A., 18:209–35
Rose, M. R., 17:465–85

S

Sanford, R. L., 17:137–67
Sauer, J. R., 18:71–90
Saunders, N. C., 18:489–522
Schlichting, C. D., 17:667–93
Sebens, K. P., 18:371–407
Sherwood, S. W., 14:139–58
Sih, A., 16:269-312
Silvertown, J. W., 14:189–211
Slade, N. A., 18:71–90
Slatkin, M., 16:393–430
Smith, A. P., 18:137–58
Smith, C. C., 15:329–51
Smythe, N., 17:169–88
Sober, E., 14:335–57
Sokal, R. R., 17:423–42
Solomon, A. M., 16:63–84
Sorensen, A. E., 17:443–63
Sousa, W. P., 15:353–91
Stamps, J. A., 14:231–53
Steneck, R. S., 17:273–303
Strathmann, R. R., 16:339–62
Strauss, R. E., 16:247–68
Strobeck, C., 17:391–421
Strohmeier, K., 16:269–312

T

Templeton, A. R., 15:97–131
Terborgh, J., 17:111–35
Thompson, J. N., 17:487–505
Tomlinson, P. B., 18:1–21
Turner, J., 17:323–60

V

Van Cleve, K., 14:443–63
Vitousek, P. M., 17:137–67

W

Watson, G. F., 16:85–112
Watson, M. A., 15:233–58
Webb, T. III, 16:63–84
Webster, J. R., 17:567–94
Werner, E. E., 15:393–426
Westoby, M., 17:487–505
Whitesides, G. H., 18:91–109
Wijsman, E. M., 15:279–301
Williamson, C. E., 14:1–33
Wilson, D. S., 14:159–87
Wilson, G. D. F., 18:185–207
Wulff, R. D., 18:209–35

y

Young, T. P., 18:137–58
Yuill, T. M., 17:189–219

# CHAPTER TITLES, VOLUMES 14–18


VOLUME 14 (1983)

| | | |
|---|---|---|
| Sexual Dimorphism in Zooplankton (Copepoda, Cladocera, and Rotifera) | J. J. Gilbert, C. E. Williamson | 1–33 |
| Ecobehavioral Genetics: Habitats and Colonists | P. A. Parsons | 35–55 |
| A Comparison of Ecosystems in Mediterranean Australia and Southern Africa: Nutrient-Poor Sites at the Barrens and the Caledon Coast | A. V. Milewski | 57–76 |
| The Molecular Basis of Adaptation: A Critical Review of Relevant Ideas and Observations | J. F. McDonald | 77–102 |
| Stasis in Progress: The Empirical Basis of Macroevolution | J. S. Levinton | 103–37 |
| Chromosome Evolution and Speciation in Rodents | J. L. Patton, S. W. Sherwood | 139–58 |
| The Group Selection Controversy: History and Current Status | D. S. Wilson | 159–87 |
| Null Models in Ecology | P. H. Harvey, R. K. Colwell, J. W. Silvertown, R. M. May | 189–211 |
| Ecological Scaling: Mammals and Birds | W. A. Calder III | 213–30 |
| Sex-Biased Pattern Variation in the Prey of Birds | J. A. Stamps, S. M. Gon III | 231–53 |
| Paleolimnology: An Historical Perspective on Lacustrine Ecosystems | M. W. Binford, E. S. Deevey, T. L. Crisman | 255–86 |
| Chemical Systematics of Termite Exocrine Secretions | G. D. Prestwich | 287–311 |
| Parsimony in Systematics: Biological and Statistical Issues | J. Felsenstein | 313–33 |
| Parsimony in Systematics: Philosophical Issues | E. Sober | 335–57 |
| The Theory of Limiting Similarity | P. Abrams | 359–76 |
| Game Theory in the Ecological Context | S. E. Riechert, P. Hammerstein | 377–409 |
| Cleistogamy in Grasses | C. S. Campbell, J. A. Quinn, G. P. Cheplick, T. J. Bell | 411–41 |
| The Alaska Pipeline: A Success Story | V. Alexander, K. Van Cleve | 443–63 |
| Host-Parasite Relations, Vectors, and the Evolution of Disease Severity | P. W. Ewald | 465–85 |

VOLUME 15 (1984)

| | | |
|---|---|---|
| Willi Hennig's Impact on Taxonomic Thought | C. Dupuis | 1–24 |
| Geographic Patterns and Environmental Gradients: The Central-Marginal Model in *Drosophila* Revisited | P. F. Brussard | 25–64 |
| Ecological Determinants of Genetic Structure in Plant Populations | M. D. Loveless, J. L. Hamrick | 65–95 |

| | | |
|---|---|---|
| Genetic Revolutions in Relation to Speciation Phenomena: The Founding of New Populations | H. L. Carson, A. R. Templeton | 97–131 |
| Genetic Revolutions, Founder Effects, and Speciation | N. H. Barton, B. Charlesworth | 133–64 |
| The Evolution of Eusociality | M. Andersson | 165–89 |
| Life History Patterns and the Comparative Social Ecology of Carnivores | M. Bekoff, T. J. Daniels, J. L. Gittleman | 191–232 |
| Morphogenetic Constraints on Patterns of Carbon Distribution in Plants | M. A. Watson, B. B. Casper | 233–58 |
| Mimicry and Deception in Pollination | A. Dafni | 259–78 |
| Migration and Genetic Population Structure with Special Reference to Humans | E. M. Wijsman, L. L. Cavalli-Sforza | 279–301 |
| Flow Environments of Aquatic Benthos | A. R. M. Nowell, P. A. Jumars | 303–28 |
| The Evolution of Food Caching by Birds and Mammals | C. C. Smith, O. J. Reichman | 329–51 |
| The Role of Disturbance in Natural Communities | W. P. Sousa | 353–91 |
| The Ontogenetic Niche and Species Interactions in Size-Structured Populations | E. E. Werner, J. F. Gilliam | 393–426 |
| Restitution of *r*- and *K*-Selection as a Model of Density-Dependent Natural Selection | M. S. Boyce | 427–448 |
| Traditional Agriculture in America | R. S. Loomis | 449–78 |
| Associations Among Protein Heterozygosity, Growth Rate, and Developmental Homeostasis | J. B. Mitton, M. C. Grant | 479–500 |
| The Application of Electrophoretic Data in Systematic Studies | D. G. Buth | 501–22 |
| Optimal Foraging Theory: A Critical Review | G. H. Pyke | 523–76 |

VOLUME 16 (1985)

| | | |
|---|---|---|
| Approaches in Evolutionary Morphology: A Search for Patterns | L. B. Radinsky | 1–14 |
| Longevity of Individual Flowers | R. B. Primack | 15–38 |
| Continuum Concept, Ordination Methods, and Niche Theory | M. P. Austin | 39–62 |
| Computer-Aided Reconstruction of Late-Quaternary Landscape Dynamics | Allen M. Solomon, Thompson Webb, III | 63–84 |
| Hybrid Zones and Homogamy in Australian Frogs | M. J. Littlejohn, G. F. Watson | 85–112 |
| Analysis of Hybrid Zones | N. H. Barton, G. M. Hewitt | 113–148 |
| Patterns of Species Diversity on Coral Reefs | M. A. Huston | 149–78 |
| Phenological Patterns of Terrestrial Plants | B. Rathcke, E. P. Lacey | 179–214 |
| Ecology of Kelp Communities | P. K. Dayton | 215–46 |
| Ontogeny and Systematics | A. G. Kluge, R. E. Strauss | 247–68 |
| Predation, Competition, and Prey Communities: A Review of Field Experiments | A. Sih, P. Crowley, M. McPeek, J. Petranka, K. Strohmeier | 269–312 |
| Speciation in Cave Faunas | T. C. Barr, Jr., J. R. Holsinger | 313–38 |
| Feeding and Nonfeeding Larval Development and Life-History Evolution in Marine Invertebrates | R. R. Strathmann | 339–62 |
| Resource Limitation in Plants—An Economic Analogy | A. J. Bloom, F. S. Chapin, III, H. A. Mooney | 363–92 |
| Gene Flow in Natural Populatioins | M. Slatkin | 393–430 |
| Compatibility Methods in Systematics | C. A. Meacham, G. F. Estabrook | 431–46 |
| Biological Aspects of Endemism in Higher Plants | A. R. Kruckeberg, D. Rabinowitz | 447–78 |

VOLUME 17 (1986)

| | | |
|---|---|---|
| Soil-Plant Relationships in the Tropics | D. J. Lathwell, T. L. Grove | 17:1–16 |
| Biology of Birds of Paradise and Bower Birds | J. Diamond | 17:17–37 |
| Ecology of African Grazing and Browsing Mammals | S. J. McNaughton, N. J. Georgiadis | 17:39–65 |
| Ecology of Tropical Dry Forest | P. G. Murphy, A. E. Lugo | 17:67–88 |
| The Role of Competition in Plant Communities in Arid and Semiarid Regions | N. Fowler | 17:89–110 |
| The Socioecology of Primate Groups | J. Terborgh, C. H. Janson | 17:111–35 |
| Nutrient Cycling in Moist Tropical Forest | P. M. Vitousek, R. L. Sanford, Jr. | 17:137–67 |
| Competition and Resource Partitioning in the Guild of Neotropical Terrestrial Frugivorous Mammals | N. Smythe | 17:169–88 |
| The Ecology of Tropical Arthropod-Borne Viruses | T. M. Yuill | 17:189–219 |
| Perspectives for an Etiology of Stand-Level Dieback | D. Mueller-Dombois | 17:221–43 |
| Designing Agricultural Ecosystems for the Humid Tropics | J. J. Ewel | 17:245–71 |
| The Ecology of Coralline Algal Crusts: Convergent Patterns and Adaptive Strategies | R. S. Steneck | 17:273–303 |
| The Future of Tropical Ecology | D. H. Janzen | 17:305–24 |
| Nutrition and Nutritional Relationships of *Pinus radiata* | J. Turner, M. Lambert | 17:325–60 |
| Information, Economics, and Evolution | N. Eldredge | 17:351–69 |
| Risk and Foraging in Stochastic Environments | L. Real, T. Caraco | 17:371–90 |
| Fluctuating Asymmetry: Measurement, Analysis, Patterns | A. R. Palmer, C. Strobeck | 17:391–421 |
| Phenetic Taxonomy: Theory and Methods | R. R. Sokal | 17:423–42 |
| Seed Dispersal by Adhesion | A. E. Sorensen | 17:443–63 |
| Molecular Aspects of the Species Barrier | M. Krieber, M. R. Rose | 17:465–85 |
| Parasite Mediation in Ecological Interactions | P. W. Price, M. Westoby, B. Rice, P. R. Atsatt, R. S. Fritz , J. N. Thompson, K. Mobley | 17:487–505 |
| Sexual Selection and the Evolution of Song | W. A. Searcy, M. Andersson | 17:507–33 |
| Genetic Polymorphism in Heterogeneous Environments: A Decade Later | P. W. Hedrick | 17:535–66 |
| Vascular Plant Breakdown in Freshwater Ecosystems | J. R. Webster, E. F. Benfield | 17:567–94 |
| Chihuahuan Desert Nopaleras: Defaunated Big Mammal Vegetation | D. H. Janzen | 17:595–636 |
| Rates of Molecular Evolution | J. H. Gillespie | 17:637–65 |
| The Evolution of Phenotypic Plasticity in Plants | C. D. Schlichting | 17:667–93 |

VOLUME 18 (1987)

| | | |
|---|---|---|
| Architecture of Tropical Plants | P. B. Tomlinson | 18:1–21 |
| Molecular versus Morphological Approaches to Systematics | D. M. Hillis | 18:23–42 |
| Sexual Selection by Female Choice in Polygynous Animals | M. Kirkpatrick | 18:43–70 |
| Size-Based Demography of Vertebrates | J. R. Sauer, N. A. Slade | 18:71–90 |
| Patterns in Tropical Vertebrate Frugivore Diversity | T. H. Fleming, R. Breitwisch, G. H. Whitesides | 18:91–109 |
| Interactions Involving Plants, Homoptera, and Ants | R. C. Buckley | 18:111–36 |
| Tropical Alpine Plant Ecology | A. P. Smith, T. P. Young | 18:137–58 |
| Tropical Limnology | W. M. Lewis, Jr. | 18:159–84 |
| Speciation in the Deep Sea | G. D. F. Wilson, R. R. Hessler | 18:185–207 |
| Maternal Effects in Plants | D. A. Roach, R. D. Wulff | 18:209–35 |
| Inbreeding Depression and Its Evolutionary Consequences | D. Charlesworth, B. Charlesworth | 18:237–68 |

| | | |
|---|---|---|
| Evolution of Animal Mitochondrial DNA: Relevance for Population Biology and Systematics | C. Moritz, T. E. Dowling, W. M. Brown | 18:269–92 |
| Stable Isotopes in Ecosystem Studies | B. J. Peterson, B. Fry | 18:293–320 |
| Pluralism in Ecology | R. P. McIntosh | 18:321–41 |
| The Ecology of Oil Flowers and Their Bees | S. L. Buchmann | 18:343–69 |
| The Ecology of Indeterminate Growth in Animals | K. P. Sebens | 18:371–407 |
| Relationships Among Flowers, Fruits, and Seeds | R. B. Primack | 18:409–30 |
| Tropical Rainforest Gaps and Tree Species Diversity | J. S. Denslow | 18:431–51 |
| Food as a Limit on Breeding Birds: A Life-History Perspective | T. E. Martin | 18:453–87 |
| Intraspecific Phylogeography: The Mitochondrial DNA Bridge Between Population Genetics and Systematics | J. C. Avise, J. Arnold, R. M. Ball, E. Bermingham, T. Lamb, J. E. Neigel, C. A. Reeb, N. C. Saunders | 18:489–522 |